



Vibrio2009: The third international conference on the biology of Vibrios

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Abstract:

Vibrio2009, the third international conference on the biology of Vibrios, was held in Rio de Janeiro, Brazil, in November 2009. This conference united researchers studying various aspects of pathogenesis, symbiosis and environmental persistence of this diverse group of marine bacteria. Through many of the presentations, it became apparent how horizontal gene transfer and genetic flexibility has driven the incredible diversity of these microbes. Interestingly, unifying themes of behaviour could be seen in the interaction(s) of Vibrios with other organisms, such as with other bacteria, corals, invertebrates and humans. Presentations illuminated the idea that the path towards symbiosis is not that different from the path towards disease, and that alterations in environmental conditions, such as climate change, can tip the balance and change the Vibrio interactions from benign to pathogenic.

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Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Food/Water Quality, Temperature

Food/Water Quality: Pathogen

Geographic Feature:

resource focuses on specific type of geography

Ocean/Coastal

Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Infectious Disease

Infectious Disease: Foodborne/Waterborne Disease

Foodborne/Waterborne Disease: Cholera, Vibrios

Resource Type: ☒

format or standard characteristic of resource

Review

Timescale: ☒

time period studied

Time Scale Unspecified